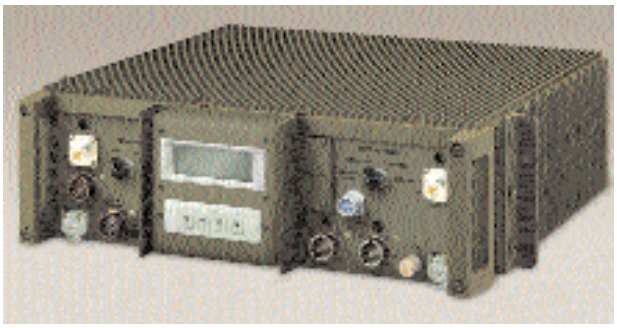
Joint Tactical Radio System (JTRS)

Description

A software programmable, multi-band, multi-mode radio, JTRS will provide integrated data, video, and voice to support the dissemination of battlespace command and control data, situational awareness, data and voice circuits. JTRS is an integrated solution to support mechanized, mobile, and dismounted forces and will provide embedded networking and information security. Ground Domain variants will provide vehicle, manpack, and hand-held radios.



Operational Impact

Current radio systems provide insufficient data throughput to support exchange of command and control and fire support data. JTRS will provide a wideband networking waveform (WNW) to support the integration of mechanized, motorized and dismounted forces not achievable today. In addition, the multi-band, multi-mode radios will allow for more flexible employment of forces and allow for exchange of information.

Beginning with HF Vehicular Radio Systems that are beyond supportable lifecycle, all legacy tactical radio systems will eventually be replaced (e.g. SINCGARS family of radios, EPLRS, PRC-104 and PRC-138 HF radios.)

Program Status

The Joint Program was reviewed by USD, AT&L on 02 Aug 2001. Approval was given for the JTRS Acquisition Strategy. The JTRS Software Communications Architecture (SCA) and Waveform Acquisitions were designated ACAT 1D to be managed by the JTRS JPO.

The Cluster 1 acquisition for the radio requirements for ground vehicles, including the USAF TACP Modernization vehicles and rotary wing aircraft were designated ACAT 1D to be managed by the US Army's PEO, C3S at Fort Monmouth, NJ.

The JPO was directed to submit a comprehensive JTRS Migration Plan by 15 Oct 01. The JPO was further directed to submit a Strategic Plan to USD (AT&L) by 15 Nov 01. The current moratorium on acquisition of legacy radio systems is reemphasized. Any acquisition or modification of radios, terminals or other communications systems which use over-the-air frequency energy in the frequency range specified in the JTRS ORD must be JTRS compliant unless a waiver is granted by ASD (C3I). Waiver requests must be made through the

appropriate CAE. The JPO will continue to independently recommend approval/disapproval to the ASD (C3I) on each waiver request.

Procurement Profile	***FY02***	***FY03***
Quantity:	0	0

Developer/Manufacturer Boeing Raytheon